## SAKAMOTO LAB.

## [Measurement and Evaluation of Sound Environment in Urban City]

Department of Human and Social Systems

Environmental Acoustic Engineering

Department of Architecture, Graduate school of Engineering

http://www.acoust.iis.u-tokyo.ac.jp

## To realize a better sound environment

Sounds surround our lives. Sakamoto laboratory treats various issues on acoustic control, measurement, prediction and assessment, in order to realize better sound environment. Evaluation and measurement of acoustical environment will be introduced.

- Room acoustic design : Acoustical design of auditoria, Speech privacy, Classrooms acoustics
- Building acoustics : Sound insulation of building façade
- Acoustic measurement : Impulse responses, Sound insulation, Sound reflection and absorption
- Development of prediction methods : Numerical analysis
- **Development of sound field simulation**: 6 channel recording-reproduction system
- Subjective evaluation : Concert halls, Living environments, Public spaces, Offices, Healthcare facilities, other small spaces such as a car cabin
- Environmental noise : Prediction model of road traffic noise, Wind turbine noise, Equipment noise







